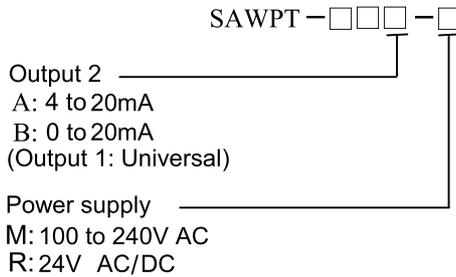


RTD Transmitter (with indication function)

MODEL SAWPT

Model



How to order

Specify a model. (e.g.) SAWPT-3AA-M
0 to 400°C

Default value

Input	Pt100 -200 to 850°C
Output 1	4 to 20mA DC
Output 2	Fixed range

Input specifications

RTD (3-wire system)

Input detection current : Approx. 0.2mA
 Allowable lead wire resistance: 10Ω or less per wire
 Burnout : Upscale, Downscale
 Input:

RTD	Input range	
Pt100	-200 to 850°C	-328 to 1562°F
JPt100	-200 to 500°C	-328 to 932°F

Minimum span: 50°C (100°F)

Output specifications

When the output range lower limit is zero, (even if zero adjustment results in a negative value), the output value will not be negative.

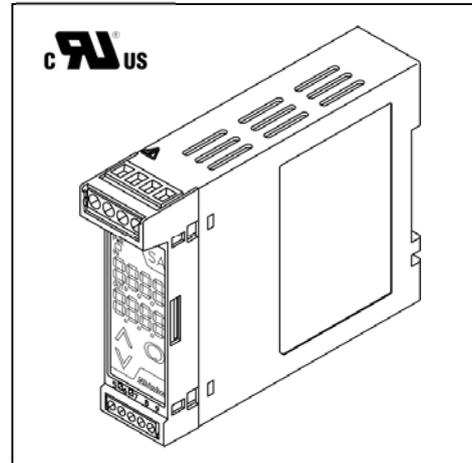
Output 1 (Universal)

DC current

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
4 to 20mA DC	700Ω or less	-5 to 5%	95 to 105%
0 to 20mA DC	700Ω or less	0 to 5%	95 to 105%
0 to 12mA DC	1.2kΩ or less	0 to 5%	95 to 105%
0 to 10mA DC	1.2kΩ or less	0 to 5%	95 to 105%
1 to 5mA DC	2.4kΩ or less	-5 to 5%	95 to 105%

DC voltage

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
0 to 1V DC	100Ω or more	0 to 5%	95 to 105%
0 to 5V DC	500Ω or more	0 to 5%	95 to 105%
1 to 5V DC	500Ω or more	-5 to 5%	95 to 105%
0 to 10V DC	1kΩ or more	0 to 5%	95 to 105%



Output 2 (Fixed range) DC current

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
4 to 20mA DC	300Ω or less	-5 to 5%	95 to 105%
0 to 20mA DC	300Ω or less	0 to 5%	95 to 105%

Performance

Accuracy:

- Input: Within ±0.1% of each input span
- Output 1: Within ±0.1%
- Output 2: Within ±0.15%

Display accuracy:

Within input accuracy ±1 digit

Response time:

Output 1: 0.5 sec. (typical) (0 → 90%)
 Output 2: 1.0 sec. (typical) (0 → 90%)

Temperature coefficient:

Output 1: ±0.015%/°C
 Output 2: ±0.015%/°C

Insulation resistance: 10MΩ or more, at 500V DC

(Input - Output 1 - Output 2 - Power)

Dielectric strength: 2.0kV AC for 1 minute

(Input - Output 1 - Power),
 (Output 1 - Output 2 - Power)

1.35kV AC for 1 minute

(Input - Output 2)

Isolation: 3-port isolation (between Input - Output - Power)

General structure

Case : Flame-resistant resin Color: Light gray

Front panel: Membrane sheet

Setting : By the front keypad

Indication : Input display:

7-segment, Red LED display 4-digit
 Character size, 7.4 x 4.0mm (H x W)

Output display:

7-segment, Green LED display 4-digit
 Character size, 7.4 x 4.0mm (H x W)

Power indicator: Green LED

